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09/887,306	06/22/2001	Rogelio Robles	10990665-1	6814

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
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EXAMINER

PAULA, CESAR B

ART UNIT PAPER NUMBER

2178

DATE MAILED: 08/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/887,306

**Applicant(s)**

ROBLES ET AL.

**Examiner**

CESAR B. PAULA

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-5,7-9,11-24,26-29,31 34-37, and 39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5,7-9,11-24,26-29,31,34-37 and 39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This action is responsive to the RCE filed on 6/6/2005.

**This action is made Non-Final.**

2. In the amendment, claims 6, 10, 25, 30, 32, 33, 38, and 40 have been canceled. Claims 1-5, 7-9, 11-24, 26-29, 31, 34-37, and 39 are pending in the case. Claims 1, 9, 19, and 29 are independent claims.

### *Drawings*

3. The drawings filed on 6/22/2001 have been approved by the examiner.

### *Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

5. Claims 19-23, 26-29, 31, 34, 36-37, and 39 remain rejected under 35 U.S.C. 102(e) as being anticipated by Van Der linden et al, hereinafter Vanderlinden (US Pub.# 2001/0013947 A1, 8/16/2001, filed 12/28/2000, Foreign EPO application filed on 1/4/2000).

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Regarding independent claim 19, Vanderlinden discloses the submission of print jobs to a reproduction center using a print driver—*capture driver operable to capture the document production request*, which generates a temporary print file. A submission form, which is displayed by a browser—*interface translator--*, has pull-down menus, and control buttons for selecting printers, and print options, and submitting the print job—*a first user interface with user accessible controls for selecting services for producing a production request captured on the remote computing device--* (0038-0046, fig.,3).

Moreover, Vanderlinden teaches the editing or changing of the submission form's pull-down menu to update functionalities available at the reproduction center, such as the adding a new printer to a pull-down menu for selecting the printer, as a result of the addition of a new printer capable of printing documents on transparent media. The updated information is placed, and displayed in the form's pull-down menu using a browser —*second user interface having user accessible controls for selecting one or more, if any, document production devices identified as being capable of providing services selected through the first user interface --* (0016, 0041, 0051, 0059, fig.3).

Furthermore, a reproduction center—*production server--* is connected with a client via a network, for routing the print job according to the selected printers and print options—*direct one or more selected document production devices to produce the captured document*, to a printer which capable for executing this job. The submission form, which is displayed on the browser for selecting printers capable of printing the print job, includes messages for displaying the change in devices capabilities (in an updated form) as a result of automatic updates of the submission form for submitting print jobs to a selected printer—*provide the production client*

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*with the first user interface, to receive selections made through the first user interface, to identify the one or more, if any, capable production devices, to generate and provide the second user interface to the production client, and to receive selections made through the second user interface. A scheduler—production engine-- routes the print jobs to the appropriate printers to complete the job (0038-0046, 0048-0049, 0051-0052, 0056, 0059-0060).*

Regarding claim 20, which depends on claim 19, Vanderlinden discloses the submission of print jobs to a reproduction center using a print driver, which generates a temporary print file version of the document (in Postscript printer language) to be printed. Once entries have been made, the submission form is transmitted to the reproduction center (0046-0048).

Regarding claim 21, which depends on claim 19, Vanderlinden discloses the submission of print jobs, using a submission form, to a reproduction center by a client computer over a network. The submission form is displayed by a browser—*interface translator--* (0035-0041, fig.,3).

Regarding claim 22, which depends on claim 19, Vanderlinden discloses the automatic update—*identify services available on the network--* of the submission form to include a description outlining change in devices capabilities (0051, 0059, fig.3).

Regarding claim 23, which depends on claim 22, Vanderlinden discloses the use or query of a device capability store—*database of known services--* for automatically updating the

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submission form to include a description outlining change in devices capabilities (0051, 0059,fig.3).

Regarding claim 26, which depends on claim 19, Vanderlinden discloses that the reproduction center has a print queue for placing waiting-to-be-processed print jobs (0056,fig.3).

Regarding claim 27, which depends on claim 26, Vanderlinden discloses that the reproduction center has an operator console for displaying waiting-to-be-processed print jobs from the print queue (0056,fig.3).

Regarding claim 28, which depends on claim 19, Vanderlinden discloses a program module for establishing a network connection with the reproduction center—*locating* a print *server* (0040).

Regarding independent claim 29, Vanderlinden discloses a submission form, which is displayed by a browser—*services engine*—on a client computer, has pull-down menus, and control buttons for selecting printers—*production devices capable of providing the selected services, and obtain a selection of one or more of the identified production devices from the production client*, and print options—*one or more services for producing a producing request*, and submitting the print job (0038-0046, fig.3).

Furthermore, Vanderlinden teaches a reproduction center—a *production engine* is operable to deliver the captured production request to a selected production device-- is

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connected with a client via a network, for routing the print job according to the selected printers and print options, to a printer which capable for executing this job (0038-0046).

Regarding claim 31, which depends on claim 30, Vanderlinden discloses the submission of print jobs to a reproduction center using a print driver. An activation of the driver generates a temporary print file version of the document (in Postscript printer language—*generic format*) to be printed. The print file is transferred to the reproduction center to be printed (0037-0041, fig.1-2).

Regarding claim 34, which depends on claim 29, Vanderlinden discloses the use or query of a device capability store—*services database* -- for automatically updating the submission form to include a description outlining change in devices capabilities. The device capability store is also used for routing the documents to be printed (0051, 0059,fig.3).

Regarding claim 36, which depends on claim 34, Vanderlinden discloses the submission form includes messages for displaying the change in printing devices capabilities as a result of updates made to the device capabilities store—*services database updated with services not currently represented in this database--* (0059-0060).

Regarding claim 37, which depends on claim 36, Vanderlinden discloses the update or addition—*identification new devices--* of new printers to a device capabilities store. Each printer is associated with a corresponding print driver (0037-0038, 0051, and 0059).

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Claim 39 is directed towards a computer system for implementing the steps found in claim 27, and therefore is similarly rejected.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-5, 7-9, 11-18, 24, and 35 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Vanderlinden.

Regarding independent claim 1, Vanderlinden discloses the submission of print jobs to a reproduction center using a submission form, which is displayed by a remote browser, has pull-down menus, and control buttons for selecting printers, and print options, and submitting the print job —*a first user interface with user accessible controls for selecting services for producing a production request captured on the remote computing device--* (0038-0046, fig.,3).

Moreover, Vanderlinden teaches the editing or changing of the submission form's pull-down menu to update functionalities available at the reproduction center, such as the adding a new printer to a pull-down menu for selecting the printer, as a result of the addition of a new printer capable of printing documents on transparent media. The updated information is placed,



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and displayed in the form's pull-down menu using a browser —*presenting to the remote computing device, a second user interface having user accessible controls for selecting one or more, if any, document production devices identified as being capable of providing services selected through the first user interface* -- (0016, 0041, 0051, 0059, fig.3).

Furthermore, Vanderlinden discloses that after the user has selected several print options, a "job ticket"—*production plan*-- is produced from the submission form containing the various options selected by the user—*merging the selected services and the captured production request into a production plan*. The "job ticket" is then uploaded to a server, and to the selected printer for completing the print request—*delivering the production plan to one or more selected document production devices selected through the second user interface* (0035, 0042-0043, 0047-0049, 005-0052, 0056). Vanderlinden fails to explicitly disclose: *delivering the production plan in a device specific format*. However, it would have been obvious to a person of ordinary skill in the art at the time of the invention to have delivered the plan in a device specific format, because Vanderlinden teaches above routing job tickets to a printer capable of executing the job at the lowest possible costs. Thus printing documents at a minimum price at a printer which understands and is able to carry out the print request.

Regarding claim 2, which depends on claim 1, Vanderlinden teaches the changing of the submission form to update capabilities available at the reproduction center, such as the adding a new printer to a pull-down menu as a result of the addition of a new printer capable of printing transparent media (0051).

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Regarding claim 3, which depends on claim 2, Vanderlinden teaches a submission form for selecting of printers, including those to be included in the updated submission form including capabilities available at the reproduction center, such as the adding a new printer to a pull-down menu as a result of the addition of a new printer capable of printing transparent (0051).

Regarding claim 4, which depends on claim 2, Vanderlinden teaches the changing of the submission form to update capabilities available at the reproduction center, such as the adding a new printer to a pull-down menu as a result of the addition of a new printer capable of printing transparent (0051). In other words, when the new printer is detected or queried by the client computer, then the update will take place on the submission form.

Regarding claim 5, which depends on claim 2, Vanderlinden teaches the changing of the submission form to update capabilities available at the reproduction center, such as the adding a new printer to a pull-down menu as a result of the addition of a new printer capable of printing transparent. The updated printer information is obtained from a device capability store—*querying a services database* (0051, 0059).

Regarding claim 7, which depends on claim 1, Vanderlinden teaches the changing of the submission form to update functionalities available at the reproduction center, such as the adding a new printer to a pull-down menu for selecting the printer, as a result of the addition of a new printer capable of printing transparent (0016, 0051, 0059, fig.3).

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Regarding claim 8, which depends on claim 1, Vanderlinden teaches the display of a list of all pending print jobs along with their current status, such as waiting, being printed, or is completed (0056-0059). In other words, the status is monitored to determine the progress of the print job, and then that status is displayed on the list.

Claims 9, 11-14 are directed towards a computer program product on a computer-readable medium for storing the steps found in claims 1-5 respectively, and therefore are similarly rejected.

Regarding claim 15, which depends on claim 14, Vanderlinden discloses the submission form includes messages for displaying the change in printing devices capabilities as a result of updates made to the device capabilities store—*services database updated with services not currently represented in this database--* (0059-0060).

Regarding claim 16, which depends on claim 15, Vanderlinden discloses the submission form includes messages for displaying the change in printing devices capabilities as a result of updates made to the device capabilities store—*services database updated with services not currently represented in this database—such as the addition of new printers—services not available on the network and services database and updating the database with the new printer added to the reproduction center* (0051, 0059-0060).

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Claims 17-18 are directed towards a computer program product on a computer-readable medium for storing the steps found in claims 7-8 respectively, and therefore are similarly rejected.

Regarding claim 24, which depends on claim 23, Vanderlinden discloses the use or query of a device capability store—*database of known services*-- for automatically updating the submission form to include a description outlining change in devices capabilities. This invention also indicates the print status of printers, whether or not a print job is being printed or is completed (0056). Vanderlinden fails to explicitly disclose: *querying the document production devices*. However, it would have been obvious to a person of ordinary skill in the art at the time of the invention to have query the printers for their status, because this provides the benefit of quickly informing the user of the condition of a print job, so that the user would take necessary steps in case of a malfunction or printer error.

Regarding claim 35, which depends on claim 34, Vanderlinden discloses the use or query of a device capability store—*services database* -- for automatically updating the submission form to include a description outlining change in devices capabilities. The device capability store is also used for routing the documents to be printed (0051, 0059, fig.3). Vanderlinden fails to explicitly disclose: *querying document production devices*. However, it would have been obvious to a person of ordinary skill in the art at the time of the invention to have query the printers for their status, because this provides the benefit of quickly informing the user of the

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condition of a print job, so that the user would take necessary steps in case of a malfunction or printer error.

***Response to Arguments***

8. Applicant's arguments filed 6/6/2005 have been fully considered but they are not persuasive. Applicants indicate that there appears to be an oversight in the heading of the 35 USC 102 rejections, because the claims 1-18, and 24-35 were rejected under 5 USC 103 (page 13). The heading has been updated to properly indicate that claims 19-23, 26-29, 31, 34, 36-37, and 39 have been rejected 35 USC 102.

Regarding independent claim 19, Applicants submit that two interfaces recited by the amended claim are not taught by Vanderlinden (page 15). The Examiner disagrees because, Vanderlinden discloses the submission of print jobs to a reproduction center using a print driver—*capture driver operable to capture the document production request*, which generates a temporary print file. A submission form, which is displayed by a browser—*interface translator--*, has pull-down menus, and control buttons for selecting printers, and print options, and submitting the print job—*a first user interface with user accessible controls for selecting services for producing a production request captured on the remote computing device--* (0038-0046, fig.,3).

Further, Vanderlinden teaches the editing or changing of the submission form's pull-down menu to update functionalities available at the reproduction center, such as the adding a new printer to a pull-down menu for selecting the printer, as a result of the addition of a new

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printer capable of printing documents on transparent media. The updated information is placed, and displayed in the form's pull-down menu using a browser —*second user interface having user accessible controls for selecting one or more, if any, document production devices identified as being capable of providing services selected through the first user interface --* (0016, 0041, 0051, 0059, fig.3).

Regarding independent claim 29, Applicants submit that Vanderlinden does not disclose or suggest the newly amendment introduced to this claim (pages 15-16). The Examiner disagrees because Vanderlinden discloses a submission form, which is displayed by a browser—*services engine*—on a client computer, has pull-down menus, and control buttons for selecting printers—*production devices capable of providing the selected services, and obtain a selection of one or more of the identified production devices from the production client, and print options—one or more services for producing a producing request, and submitting the print job* (0038-0046, fig.3).

Furthermore, Vanderlinden teaches a reproduction center—*a production engine is operable to deliver the captured production request to a selected production device--* is connected with a client via a network, for routing the print job according to the selected printers and print options, to a printer which capable for executing this job (0038-0046).

Regarding independent claim 1, Applicants submit that Vanderlinden does not disclose or suggest the newly amended first and second interfaces (pages 15-16). As it has been indicated above, Vanderlinden discloses this feature as recited in the new amendment to the claim.

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Claims 9, 24, and 35 remain rejected at least for the same reasons established above.

***Conclusion***

I. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cesar B. Paula whose telephone number is (571) 272-4128. The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 4:00 p.m. (EST).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong, can be reached on (571) 272-4124. However, in such a case, please allow at least one business day.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, go to <http://portal.uspto.gov/external/portal/pair>. Should you have any questions about access to the Private PAIR system, please contact the Electronic Business Center (EBC) at 866 217-9197 (toll-free).

Any response to this Action should be mailed to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Or faxed to:

- (571)-273-8300 (for all Formal communications intended for entry)

  
CESAR PAULA  
PRIMARY EXAMINER

8/8/05